

IN THE CLAIMS

Upon entry of the present amendment, the status of the claims will be as is shown below. This listing of claims replaces all previous versions and listings of claims in the present application.

Claims 1-21 (Cancelled)

22. (New) A transmission apparatus, comprising:

an encryptor that encrypts data and produces first encrypted data;

a program-specific information generator that produces program-specific information containing a table denoting the correlation between the first encrypted data and a program number of the first encrypted data;

a tool list generator that produces a tool list containing a tool identification indicating a decoding tool for decrypting the first encrypted data;

a control graph generator that produces a control graph indicating an instantiated location of the decoding tool in a receiving apparatus;

a rights information generator that produces rights information for the first encrypted data; and

a multiplexer that multiplexes the first encrypted data, program-specific information, tool list, control graph, and the rights information.

23. (New) A transmission apparatus, comprising:

an encryptor that encrypts data and produces first encrypted data;

a tool list generator that produces a tool list containing a tool identification

indicating a decoding tool for decrypting the first encrypted data;

a control graph generator that produces a control graph indicating an instantiated location of the decoding tool in a receiving apparatus;

a rights information generator that produces rights information for the first encrypted data;

a program-specific information generator that produces program-specific information containing the tool list, the control graph, the rights information, and a table denoting the correlation between the first encrypted data and a program number of the first encrypted data; and

a multiplexer that multiplexes the first encrypted data and the program-specific information.

24. (New) The transmission apparatus according to claim 23, further comprising:

a rights information transmitter that outputs the rights information,

wherein the multiplexer outputs the first encrypted data and program-specific information.

25. (New) The transmission apparatus according to claim 24,

wherein the rights information transmitter relates the rights information to the data.

26. (New) The transmission apparatus according to claim 24,

wherein the program-specific information generator relates the rights information

to the data.

27. (New) The transmission apparatus according to claim 22,
wherein the multiplexer multiplexes the decoding tool used for decryption.

28. (New) The transmission apparatus according to claim 22,
wherein the multiplexer multiplexes key information enabling decryption.

29. (New) A receiving apparatus, comprising:

a demultiplexer that separates a multiplexed signal containing first encrypted data into at least the first encrypted data and program-specific information;

a tool list demultiplexor that separates a tool list having a tool identification indicating a decoding tool for decrypting the first encrypted data from the multiplexed signal;

a control graph demultiplexor that separates a control graph indicating an instantiated location of the decoding tool in the receiving apparatus from the multiplexed signal;

a rights information demultiplexor that demultiplexes rights information for the first encrypted data from the multiplexed signal;

a first controller that acquires a tool according to a tool identification acquired from the tool list, and instantiating the tool according to the control graph; and

a first rights manager that processes the first encrypted data according to the rights information.

30. (New) A receiving apparatus, comprising:

a demultiplexer that separates a multiplexed signal containing first encrypted data into at least the first encrypted data and program-specific information;

a tool list demultiplexor that separates a tool list having a tool identification indicating a decoding tool for decrypting the first encrypted data from the multiplexed signal;

a control graph demultiplexor that separates a control graph indicating an instantiated location of the decoding tool in the receiving apparatus from the program-specific information;

a rights information demultiplexor that separates rights information for the first encrypted data from the program-specific information;

a first controller that instantiates a tool with a tool identification acquired from the tool list according to the control graph; and

a first rights manager that processes the first encrypted data according to the rights information.

31. (New) A receiving apparatus, comprising:

a demultiplexer that separates a multiplexed signal containing first encrypted data into at least the first encrypted data and program-specific information;

a tool list demultiplexor that separates a tool list having a tool identification indicating a decoding tool for decrypting the first encrypted data from the multiplexed signal;

a control graph demultiplexor that separates a control graph indicating an

instantiated location of the decoding tool in the receiving apparatus from the program-specific information;

a first controller that instantiates a tool with a tool identification acquired from the tool list according to the control graph;

a rights information receiver that receives rights information for the first encrypted data; and

a first rights manager that processes the first encrypted data according to the rights information.

32. (New) The receiving apparatus according to claim 29, further comprising:

a temporary storage that temporarily stores the first encrypted data; and

a reader that reads the first encrypted data stored to the temporary storage.

33. (New) The receiving apparatus according to claim 32, further comprising:

a file manager that deletes from the temporary storage the first encrypted data after a playback permit recorded in the rights information is expired.

34. (New) The receiving apparatus according to claim 29,

wherein the rights manager sends status information denoting the processing state of the first encrypted data.

35. (New) The receiving apparatus according to claim 29, further comprising:

a rights manager that separates the rights information into first rights information

and second rights information; and

a multiplexing adjustor that rewrites rights information in the multiplexed signal to second rights information, and outputs a revised multiplexed signal;

wherein the revised multiplexed signal is output to a second receiving apparatus according to a request signal from the second receiving apparatus.

36. (New) The receiving apparatus according to claim 29, further comprising:

a rights manager that separates the rights information into first rights information and second rights information;

wherein the second rights information and multiplexed signal are output to a second receiving apparatus according to a request signal from the second receiving apparatus.

37. (New) The receiving apparatus according to claim 29,

wherein the rights manager receives data indicating how the first encrypted data was processed by a second receiving apparatus, and sends status information describing processing by the receiving apparatus and the second receiving apparatus.

38. (New) The receiving apparatus according to claim 29, further comprising:

a converter that converts the first encrypted data to second encrypted data; and

a remultiplexer that remultiplexes the second encrypted data with second rights information.

39. (New) The receiving apparatus according to claim 29,
wherein the first encrypted data is processed according to the first rights
information.

40. (New) The receiving apparatus according to claim 29, further comprising:
a file manager that deletes the first encrypted data from the temporary storage
after sending it to a second receiving apparatus.

41. (New) The receiving apparatus according to claim 29, further comprising:
a video decoder that extracts and decodes video data from the multiplexed signal.

42. (New) The receiving apparatus according to claim 29, further comprising:
an audio decoder that extracts and decodes audio data from the multiplexed signal.